

GEOKINETICS INC. shale oil development and production

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MINERALS PROGRAM
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SEP 24 1991

DIVISION OF
OIL GAS & MINING

Mr. Wayne Hedberg
Utah State Division of Oil Gas & Mining
355 West North temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180

Sept. 20, 1991

Dear Mr. Hedberg:

As we discussed in our telephone conversation earlier this week, we wish to close our evaporation pond #3 at Kamp Kerogen, in Uintah County.

In 1986, we closed our ponds #1 and #2 at Kamp Kerogen following procedures outlined in my letter to John Whitehead dated Sept 2, 1986, and approved in a letter from the Division of Environmental Health dated September 26, 1986. Copies of both letters are enclosed. Site reclamation work was inspected by Ms Pamela Grubaugh-Littig on December 10, 1986.

Nothing has been added to the pond since 1986. The pond was constructed in 1983, and is 96,000 square feet in bottom area. It held ground water pumped from our oil shale retorts after blasting, and prior to ignition, and water pumped up from pond #2. The intake of the pump that transferred water from pond #2 to pond #3 was designed to avoid lifting any oil skim from #2 to #3.

The pond is currently dry over about 3/4 of its area, and contains a few inches of water over the remainder. Solid residue of about 1/4 to one inch in thickness covers about 1/4 of the bottom.

We propose to close the pond in a manner similar to that approved for use in the other ponds:

1. pump out all remaining water and dispose of it in an approved oil field brine disposal pond.
2. rip the liner to make the bottom permeable, and leave the ripped liner in place.
3. fill the pond with the dike material
4. contour to match the surrounding topography

5. cover with soil from our soil stockpile

6. seed with an approved grass mix

We wish to immediately remove the water from the pond, and rip the bottom in order to avoid accumulating additional water from rain and snowfall.

We would then fill and contour the pond either this fall or next spring.

Kindly advise if this procedure meets with your approval.

Sincerely,

A handwritten signature in cursive script, appearing to read "Mitchell A. Lekas".

Mitchell A. Lekas
President

cc: James M. Lekas